

Custom and Generic Nanocomm Earmoulds

EzeFit and Custom Ear-moulds for Nanocomm

Nanocomm headsets 'plug' into your ears using either the generic EzeFit moulds or Custom earmoulds rather than attaching to your head by headbands or clips like other less comfortable headsets.

The moulds whether EzeFit or Custom type have an attachment clip for the Nanocomm transducers (speakers).

Your Nanocomm headset is usually supplied with EzeFit moulds so you can use the headset immediately, but for best isolation, best fit and best comfort we highly recommend you use Custom ear moulds.

Custom earmoulds are available in two types:

- Standard types which offer hearing protection from external noise but not from excessive noise from the Nanocomm transducers (speakers) generated by the connected electronics or intercom.
- Protect Hear which also offers hearing protection from the connected device limiting sound levels from the Nanocomm transducers. Protect Hear moulds can be used without the Nanocomm as an alternative to Ear-Defenders for other noisy work situations.
- Both are made from a Hypo-Allergenic medical grade soft silicone (shore hardness 25).

Terminology

Custom Earmoulds	These are moulded to your unique ear shape and provide the best isolation, best comfort and most secure attachment for a transducer and boom mic.
Generic Earmoulds EzeFit Moulds	These are a low cost alternative to Custom moulds. They come in a kit of various sizes to fit a variety of ear shapes and allow you to use communications equipment for short periods and for evaluation.
Hearing Protection	Certain custom earmoulds can be manufactured to offer hearing protection to BS EN 352-2:1993. This provides protection from outside noise. Where there will be connected communications equipment protection from high levels of speaker noise is also required. This is achieved using ProtecHear technology.
Standard Earmoulds	Custom earmoulds that offer hearing protection from external noise but not from excessive noise from the headset, intercom or connected electronics. These are NOT BS EN 352-2:199 compliant.
Protect Hear Earmoulds	This device is manufactured into custom earmoulds and limits connected electronics noise to safe levels. It is a passive device that needs no batteries or charging. See page 4 for more information. These are BS EN 352-2:199 compliant.

Fitting the EzeFit Moulds



Getting the correct size and fit of EzeFit parts is a one-off procedure which takes about 15 minutes but once the right combination has been found the headset will be comfortable, easy and rapid to fit

Sizing

The variety of size and shape of people's ears is amazing once you start to look. Not only the outer ear but the ear-canal size varies too. As well as that, left and right ears on the same person can be very different too.

To account for this the EzeFit kit comes with two sizes of the Ear Skeletons which fit the outer ear, and three sizes of eartips. There are also other even larger and smaller sizes available so if you can't get a good fit with the kit supplied please get in touch.

Fitting

Start with the **Ear Skeleton**. Identify the left and right versions and with the help of a friend or mirror select the ones that best fit your outer ears. (don't forget you may need different sizes for each ear).

Once you have found the correct skeleton then fit the **Connecting Tube**, this is angled and should be fitted in the direction of your ear canal.

Finally fit one of the smaller **Eartips** to the connecting tube and fit the assembly into your ear. The eartip should fit well inside your ear canal without undue pressure. It should block out a good deal of external noise, if it doesn't select the next larger size.

If you struggle to get a good fit please email us sales@wildtalk.com

Custom Earmoulds for Nanocomm



Custom ear-moulds offer the most comfortable and highest levels of hearing protection available. Also they hold the Nanocomm boom Mic securely and more rigidly to your head than the Ezefit kit.

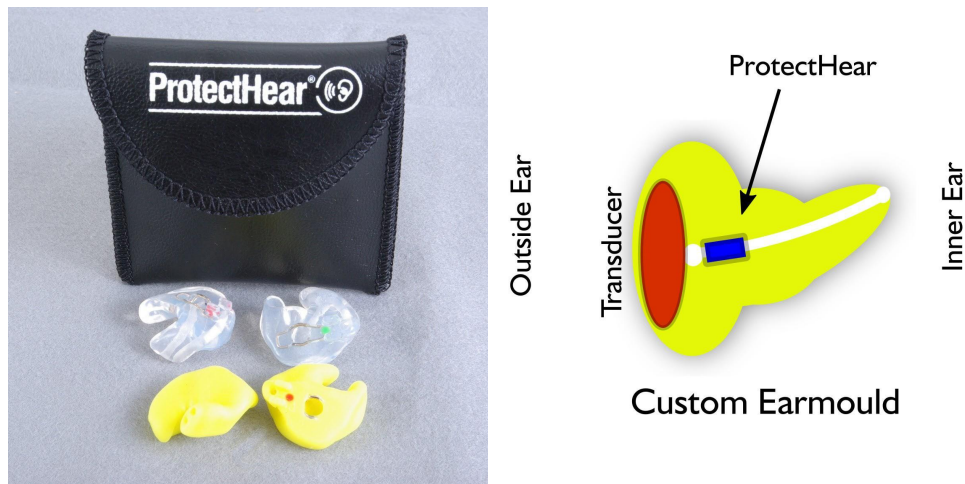
Moulded to fit the unique shape of your ear-canal the mould sits inside your ear blocking harmful noise. Made from soft silicon they fit perfectly and securely inside the ear-canal while allowing the cooling function of your outer ear to work normally. This makes them ideal in hot environments.

The fit of the custom moulds protect your hearing from ambient noise but your ears also need protection from the potential high noise from your connected device, radio, intercoms etc.

Earmoulds with Monitors and ProtectHear

- These give at least 29dB SNR suppression of external noise.
- The ProtectHear(see below) insert limits noise from the monitors.
- They give 29dB SNR suppression of the transducer (monitor).
- This product **complies** with EN352-2:1993
- They can be used on their own without the Nanocomm as industrial hearing protection.

Protect Hear



[Protect-Hear](#) limiters sit between the noise source and your ear canal to protect your hearing. A channel through the earplug contains a passive acoustic noise filter. This is an inverted cone of precise dimensions that allows certain wave amplitudes to pass through, but attenuates the hazardous industrial noise, whilst allowing the user to hear speech, shouted warnings and to use phones and radios. Vented is 29SNR.

Dual use: can be detached from the Nanocomm headset and used as an alternative to disposable foam earplugs or ear-defenders.

Note that ProtectHear will colour the noise bandwidth that they pass and are not ideal for music applications. Standard earmoulds work better for music applications.

Protect Hear Advantages

- 5 Year Lifespan.
- Do NOT overprotect – you are able to hear speech, shouted warnings, vehicles and alarms.
- Easy to look after, easy to clean.

Features

- Hypo-allergenic silicone, medical grade – CE approved.
- Toxicologically inert material.
- CE Marked and Tested to EN 352-2: 1993
- Metal detectable option.

Colour Options

- Yellow (default) for general Health and Safety use.
- Blue for Food Industry
- Clear.

The Ordering Process

1. Buy the Nanocomm of your choice. This will be supplied with the Ezefit kit so you can start using the Nanocomm immediately. (If you don't want the Ezefit kit please get in touch before ordering).
2. Take yourself to have some Impressions made.
3. Post or email the Impressions to Wildtalk - sales@wildtalk.com or 35 Hospital Fields Rd, York YO10 4DZ. UK
4. We will let you know we have received them and get in touch for payment for the Custom moulds.
5. We then send the impressions to the Mould factory to be made into a set of custom moulds. Unless you request otherwise we will have made one set each of both a Standard earmoulds and Protecthear earmoulds.
6. Once made (up to 14days) and we will ship them to you.

Ordering Custom Moulds

Having custom ear-moulds made is a two-step process;

Step 1. Impressions.

Contact your local hearing aid supplier and ask for an appointment for them to make a pair of ear Impressions. Often large chemists and opticians may provide this service as well.

Impressions are taken of your ears using a silicon material which is gently injected into your outer ears. When you have them taken be sure to mention that they are for a boom Mic earpiece so that they are taken to a sufficient depth to be secure.

After the Impressions have been taken you will be given the physical copies. **Some suppliers will be able to give you a digital copy which is preferable.** Once taken, get in touch with wildtalk and we will tell you where to send them to have them made into custom moulds.

sales@wildtalk.com

Step 2. Custom Moulds.

Once we have received the Impressions we will then send them to a specialist audiology company for manufacture into soft silicone ear-moulds to fit your Nanocomm. The factory will also then digitise the Impressions so more moulds can be made in future.

This part of the process can take a couple of weeks. Once manufactured will then ship the Custom Moulds back to you to clip on to your Nanocomm headset.

There are three custom earmould options.

1. Solid Earmoulds not for use with Nanocomm.
2. Nanocomm ProtectHear Moulds certified, CE Marked and Tested to EN 352-2: 1993.
3. Nanocomm Moulds without ProtectHear. Also ideal for music monitors.
4. Aviation Earmould kit for Nanocomm which is a pair of each 2 and 3. This is the standard kit we supply for aviation applications as it allows the headset to be used in a wide variety of aircraft.